

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 April 2002 (25.04.2002)

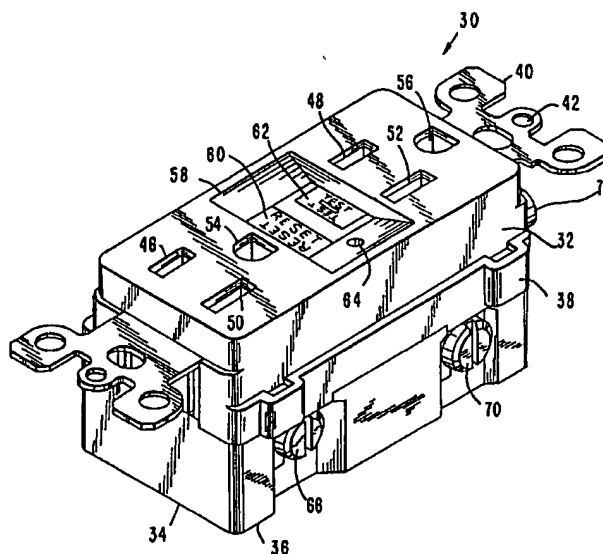
PCT

(10) International Publication Number
WO 02/33720 A1

- (51) International Patent Classification⁷: **H01H 73/00** (71) Applicant (for all designated States except US): **LEVITON MANUFACTURING CO., INC.** [US/US]; 59-25 Little Neck Parkway, Little Neck, NY 11362 (US).
- (21) International Application Number: **PCT/US01/32562**
- (22) International Filing Date: 16 October 2001 (16.10.2001) (72) Inventors; and (75) Inventors/Applicants (for US only): **DISALVO, Nicholas, L.** [US/US]; 61 Primrose Lane, Levittown, NY 11756 (US). **ZIEGLER, William, R.** [US/US]; 6 Clarissa Lane, East Northport, NY 11731 (US). **GERMAIN, Frantz** [US/US]; 142-10 243rd Street, Rosedale, NY 11422 (US). **STEWART, Stephen** [US/US]; 721 Colonial Street, Uniondale, NY 11533 (US). **CAMPOLO, Steven** [US/US]; 77 Gold Place, Malverne, NY 11565 (US). **CHAN, David, Y.** [US/US]; 83-34 250th Street, Bellerose, NY 11426 (US). **BRADLEY, Roger, M.** [US/US]; 2071 Decatur Avenue, North Bellmore, NY 11710 (US). **HERZFELD, David** [US/US]; 8 Woodhollow Lane, Huntington, NY 11743 (US). **RICHTER, James** [US/US]; 75-15 210th Street, Bayside, NY 11364 (US). **SHAFIR, Eugene** [US/US]; 86-75 Midland Parkway, Jamaica Estates, NY 11432 (US). **CALIXTO, Armando** [US/US]; 79-14 261st Street, Floral Park, NY 11004 (US). **KING, Gerald, N.** [US/US]; 61 East 8th Street, Deer
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|------------------------------|----|
| 09/688,481 | 16 October 2000 (16.10.2000) | US |
| 60/277,097 | 19 March 2001 (19.03.2001) | US |
| 09/812,624 | 20 March 2001 (20.03.2001) | US |
| 09/812,875 | 20 March 2001 (20.03.2001) | US |
| 09/812,288 | 20 March 2001 (20.03.2001) | US |
| 09/812,601 | 20 March 2001 (20.03.2001) | US |
| 09/813,683 | 21 March 2001 (21.03.2001) | US |
| 09/813,412 | 21 March 2001 (21.03.2001) | US |
| 60/277,446 | 21 March 2001 (21.03.2001) | US |
| 60/277,448 | 21 March 2001 (21.03.2001) | US |
| 09/829,339 | 9 April 2001 (09.04.2001) | US |

[Continued on next page]

(54) Title: **CIRCUIT INTERRUPTING DEVICE**



(57) Abstract: Resettable circuit interrupting devices, such as GFCI devices (ground fault circuit interrupters), ALCI devices (arc fault circuit interrupters), ICDI devices (immersion detection circuit interrupters), RCDs (residual current devices), that include reverse wiring protection (fig. 62), and optionally an independent trip portions (fig. 24) and/or a reset lockout portion (60, 330) are provided. Further is a signaling system employing indicator lamp means (64) and an audible alarm (236) is employed to remind a user to periodically test his GFCIs and to provide information regarding the status of the GFCI. The power lines that supply the GFCI with power are also coupled to the circuits on the PCB (122) to disconnect power to those circuits of the GFCI that trips due to faults or tests.